

Dms 1850 Ty. 143 Catalyst

DESOTO, INC.
MATERIAL SAFETY DATA SHEET
FOR COATINGS, RESINS, AND RELATED MATERIALS
(APPROVED BY US DEPARTMENT OF LABOR "ESSENTIALLY SIMILAR" TO FORM OSHA-20)
SECTION I

DESOTO, INC.
ADMINISTRATIVE AND RESEARCH CENTER

1700 S. MT. PROSPECT ROAD
DES PLAINES, ILLINOIS 60018

EMERGENCY TELEPHONE (312) 391-9000

PRODUCT CLASS
POLYAROMATIC ISOCYANATE

MANUFACTURERS CODE IDENTIFICATION
910-702

TRADE NAME
IFT CURING SOLUTION
SUPERSEDES 02/01/83 MSDS

DATE OF PREPARATION 12/13/84

***** SECTION II-HAZARDOUS INGREDIENTS *****

INGREDIENT	% BY* WEIGHT	PPM	TLV	MG/CU.M	LEL	VAPOR PRESSURE @ 20 DEG C
METHYL ETHYL KETONE	10.0	200		590	1.8	70
DIPHENYLMETHANE DIISOCYANATE	45.0	0.02		0.2	NA	0.05
POLYAROMATIC ISOCYANATE	45.0	NE		NE	NE	NE

Rec'd 1/16/85

* PERCENT BY WEIGHT:
TO NEAREST 5%, PLUS OR MINUS 5%, FOR SUBSTANCES 5-95%;
<5.0 FOR SUBSTANCES 0.5-5.0%;
<0.5 FOR SUBSTANCES 0.0-0.5%.

NE = NOT ESTABLISHED
NA = NOT APPLICABLE

***** SECTION III-PHYSICAL DATA *****

PROPERTY	MEASUREMENT
BOILING RANGE	176.0 TO 342.0 DEG F. 80.0 TO 172.0 DEG C. @ 760 MM HG
VAPOR DENSITY	X HEAVIER LIGHTER THAN AIR
WEIGHT PER GALLON	9.8 LBS.
PERCENT VOLATILE BY VOLUME	14.6
EVAPORATION RATE	FASTER X SLOWER THAN ETHER

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***** SECTION IV-FIRE AND EXPLOSION DATA *****

DOT CATEGORY	FLAMMABLE LIQUID	FLASH POINT	22.0 DEG F.
OSHA CATEGORY	FLAMMABLE LIQUID-CLASS I B	(CLOSED CUP)	-5.6 DEG C.

LOWER EXPLOSIVE LIMIT SEE II

EXTINGUISHING MEDIA: USE NATIONAL FIRE PROTECTION ASSOCIATION CLASS B
EXTINGUISHERS (CARBON DIOXIDE, DRY CHEMICAL OR FOAM).

UNUSUAL FIRE AND EXPLOSION HAZARDS: DURING A FIRE IRRITATING AND TOXIC GASES
AND AEROSOLS FROM THE DECOMPOSITION/COMBUSTION PRODUCTS MAY BE PRESENT.
CLOSED CONTAINERS MAY EXPLODE WHEN EXPOSED TO HEAT. DO NOT APPLY TO
HOT SURFACES.

SPECIAL FIRE FIGHTING PROCEDURE: WATER MAY BE USED TO COOL CLOSED CONTAINERS
TO PREVENT PRESSURE BUILD-UP AND POSSIBLE AUTO IGNITION OR EXPLOSION WHEN
EXPOSED TO EXTREME HEAT. WEAR NIOSH/MSHA APPROVED SELF CONTAINED BREATHING
APPARATUS AND PROTECTIVE CLOTHING TO PREVENT CONTACT WITH SKIN AND EYES.

***** SECTION V-HEALTH HAZARD DATA *****

THRESHOLD LIMIT VALUE: SEE II (NOT ESTABLISHED FOR PRODUCT)

EFFECTS OF OVEREXPOSURE:

INHALATION: INHALATION OF ISOCYANATES MAY CAUSE ALLERGIC SENSITIZATION. SYMP-
TOMS MAY INCLUDE MUCOUS MEMBRANE IRRITATION, TIGHTNESS IN CHEST, IRRITATION
OF THE RESPIRATORY TRACT, COUGHING, HEADACHE AND SHORTNESS OF BREATH.
ASTHMA LIKE ATTACKS MAY FOLLOW.

ANESTHETIC. IRRITATION OF THE RESPIRATORY TRACT OR ACUTE NERVOUS SYSTEM
DEPRESSION CHARACTERIZED BY HEADACHE, DIZZINESS, STAGGERING GAIT, CONFUSION
UNCONSCIOUSNESS OR COMA.

SKIN OR EYE CONTACT: PRIMARY IRRITATION. PROLONGED OR REPEATED SKIN CONTACT
MAY RESULT IN SKIN SENSITIZATION IN SOME INDIVIDUALS.

EMERGENCY AND FIRST AID PROCEDURES: INHALATION: REMOVE FROM EXPOSURE.
RESTORE BREATHING. KEEP WARM AND QUIET. NOTIFY A PHYSICIAN. SKIN CONTACT:
WASH AFFECTED AREAS WITH WATER. REMOVE CONTAMINATED CLOTHING. CONSULT A
PHYSICIAN. EYE CONTACT: FLUSH WITH WATER FOR 15 MINUTES. CONSULT A PHYSICIAN.
INGESTION: CONSULT A PHYSICIAN.

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***** SECTION VI-REACTIVITY DATA *****

STABILITY: UNSTABLE X STABLE

INCOMPATABILITY (MATERIALS TO AVOID): AVOID CONTACT WITH WATER, ALCOHOLS AMINES, AND OTHER MATERIALS WHICH REACT WITH ISOCYANATES.

HAZARDOUS DECOMPOSITION PRODUCTS: CO₂, CO, OXIDES OF NITROGEN AND TRACES OF HCN AND ISOCYANATE MONOMER.

HAZARDOUS POLYMERIZATION: MAY OCCUR X WILL NOT OCCUR

CONDITIONS TO AVOID: TEMPERATURES ABOVE MAXIMUM STORAGE TEMPERATURE.

***** SECTION VII-SPILL OR LEAK PROCEDURES*****

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: REMOVE ALL SOURCES OF IGNITION. AVOID BREATHING VAPORS OR SKIN OR EYE CONTACT. COVER WITH ABSORBENT MATERIAL SUCH AS SAND, SWEEPING COMPOUND OR DIATOMACEOUS EARTH. USE NON-SPARKING TOOLS. COLLECT MATERIAL IN OPEN TOP DRUM AND TAKE TO ISOLATED AREA (OUT-OF-DOORS PREFERRED). FILL DRUM WITH DECONTAMINATION SOLUTION OF WATER (90-95%), DETERGENT (2%), AND AMMONIA (3-8%). NEUTRALIZE SPILL AREA WITH DECONTAMINATION SOLUTION.

WASTE DISPOSAL METHODS: INCINERATE OR DISPOSE OF IN ACCORDANCE WITH LOCAL, STATE AND FEDERAL REGULATIONS AFTER ALLOWING TIME FOR REACTION WITH WATER. INCINERATE IN APPROVED FACILITY. DO NOT INCINERATE CLOSED CONTAINERS.

*****SECTION VIII-SPECIAL PROTECTION INFORMATION*****

RESPIRATORY PROTECTION: USE A NIOSH/MSHA APPROVED RESPIRATOR APPROVED OR RECOMMENDED FOR USE IN ISOCYANATE CONTAINING ENVIRONMENTS. IN CONFINED AREAS, USE NIOSH/MSHA AIR SUPPLIED RESPIRATORS OR HOODS.

VENTILATION: WHERE EMPLOYEES MAY BE EXPOSED, PROVIDE GENERAL DILUTION OR LOCAL EXHAUST VENTILATION IN VOLUME AND PATTERN TO KEEP LEVEL OF HAZARDOUS INGREDIENTS BELOW RECOMMENDED (ACGIH) OR REGULATED (OSHA) LIMIT. WHERE EMPLOYEES WILL NOT BE EXPOSED, KEEP LEL IN SECTION II BELOW 25% OF LIMIT.

PROTECTIVE GLOVES: X RECOMMENDED REQUIRED

EYE PROTECTION: SPLASH PROOF GOGGLES.

OTHER PROTECTIVE EQUIPMENT: AVOID SKIN CONTACT BY USE OF OTHER PROTECTIVE CLOTHING. A SAFETY SHOWER, AN EYE BATH AND WASHING FACILITIES SHOULD BE AVAILABLE.

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*****SECTION IX-SPECIAL PRECAUTIONS*****

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING: STORE IN TIGHTLY CLOSED CONTAINERS AND PROTECT FROM MOISTURE AND FOREIGN MATERIALS. IDEAL STORAGE OTHER PRECAUTIONS: DO NOT TAKE INTERNALLY. FOLLOW GROUNDING AND BONDING PROCEDURES WHEN TRANSFERRING LIQUIDS. AVOID FREE FALL OF LIQUIDS IN EXCESS OF A FEW INCHES. PREVENT PROLONGED SKIN CONTACT WITH CONTAMINATED CLOTHING. WASH CONTAMINATED CLOTHING THOROUGHLY BEFORE REUSE.

DO NOT SAND, FLAME CUT, BRAZE OR WELD THE DRY COATING WITHOUT NIOSH/MSHA APPROVED RESPIRATOR OR APPROPRIATE VENTILATION.

OBSERVE PRECAUTIONARY LABEL WARNINGS.

PREPARED BY S. M. STEVENSON